

In Claim 21, claim line 3, following "a", delete the period and substitute therefor --)--; and in claim line 12, following "b", delete the period and substitute therefor --)--.

Amend Claim 22 as shown below. (9)

22. (Amended) The method of Claim 21 wherein said amplification comprises:

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- i) [a.] combining said [an HLA-locus specific] primer pair with HLA DNA from said individual under hybridizing conditions for a period of time sufficient for each primer in said primer pair to produce an extension product which, when separated from its complement, can serve as a template for synthesis of the extension product of the other primer to produce a mixture;
  - ii) [b.] treating said mixture under denaturing conditions to separate the primers from their extension products;
  - iii) [c.] treating said mixture with said [HLA locus-specific] primer pair such that a primer extension product is synthesized using each of the templates produced in step ii [(b)] as a template, resulting in amplification of the HLA DNA; and
  - iv) [d.] repeating steps ii [(b)] and iii [(c)] to produce an amplified DNA sequence.

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In Claim 22, claim line 3, delete "a." and substitute therefor --i)--; in claim line 12, delete "b." and substitute therefor --ii)--; in claim line 15, delete "c." and substitute therefor --iii)--; and in claim line 21, delete "d." and substitute therefor --iv)--.

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In Claim 24, claim line 3, delete "a." and substitute therefor --i)--; and in claim line 8, delete "b." and

substitute therefor --ii)--; and in claim line 11, delete "c." and substitute therefor --iii)--.

In Claim 26, claim line 4, following "a", delete the period and substitute therefor --)--, and in claim line 13, following "b", delete the period and substitute therefor --)--; and in claim line 22, following "c", delete the period and substitute therefor --)--.

25 Please amend Claim 27 as shown below.

27. (Amended) A method for determining whether an individual is the father of a child comprising the steps of:
- a) [...] amplifying DNA from said individual, DNA from said child and DNA from said child's mother with a pair of primers specific for an HLA locus under suitable conditions to produce amplified DNA sequences, said primers being located in intervening sequences I and III for an HLA Class I locus and in intervening sequences I and II for a Class II locus;
  - b) [...] combining said amplified DNA sequence from said individual, said amplified DNA sequence from said child's mother, and said amplified sample DNA from said child with at least one endonuclease that cleaves said amplified DNA sequence into a plurality of cleaved sequences of sufficiently different lengths to distinguish between alleles of said HLA locus to produce a digest; and
  - c) [...] comparing restriction fragment length polymorphic patterns produced by said digest from said individual, from said child's mother and from said child.

In Claim 42, claim line 3, delete "1, 2, 3 or 4", and substitute therefor --I, II, or III--.